**Spectral Class: A**

**Temperature: 9,500 K**

**Luminosity: 10’3**

**My star is a blue-white star. It is a star that is about to enter its main sequence. This star has a temperature of 9,500 Kelvin. This star has a surface temperature of 15,000 Kelvin. The ionized helium lines of the O-type stars disappear and the neutral helium lines are strongest at B2.**

**The blue-white star Vega is the 5th brightest visible from earth. The star Vega produces 30-40 times the energy of the Sun, which shortens its life. Vega is already at middle-age and will run out of fuel in about another half-billion years.**